

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Currently Amended) A guide wire for MR diagnostic and therapeutic procedures consisting essentially of a core wire and a non-metallic coil wire, the core wire having distal, medial and proximal segments, the core wire having a tapered segment between the medial segment and the distal segment, and substantially comprising consisting essentially of a non-metallic, non-braided, non-woven, polymeric material[.], the core wire being monofilament and substantially solid in cross-section throughout its entire length; the coil wire being substantially disposed around at least the distal segment of the core wire and being attached thereto.
2. (Original) A guide wire according to claim 1 wherein the core wire distal segment has a diameter which is less than that of the core wire medial and proximal segments.
3. (Cancelled)
4. (Previously Presented) A guide wire according to claim 1 wherein the core wire has a polymeric coating thereon which covers substantially the entire length of the core wire.
5. (Cancelled)
6. (Original) A guide wire according to claim 1 wherein the core wire further comprises a taper which couples the medial segment and the distal segment and wherein substantially the entire core wire is covered with a polymeric material.
7. (Original) A guide wire according to claim 1 wherein the core wire comprises a polymeric material.

8. (Original) A guide wire according to claim 1 wherein the core wire comprises a polymeric material and the core wire is substantially completely covered with a second polymeric material.

9. (Original) A guide wire according to claim 1 wherein the distal segment of the core wire has a diameter which is less than that of the medial segment.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (New) A guide wire according to claim 1 wherein the core wire comprises a camber-resistant, polymeric material.

31. (New) A guide wire according to claim 1 wherein the core wire comprises polyetherether ketone.

32. (New) A guide wire according to claim 31 wherein the core wire consists essentially of polyetherether ketone having randomly distributed glass fiber segments therein.

33. (New) A guide wire according to claim 1 wherein the coil wire consists essentially of polyetherimide.

34. (New) A guide wire according to claim 1 wherein the coil wire consists essentially of polyethersulfone.

35. (New) A guide wire according to claim 1 wherein the core wire consists essentially of carbon fibers held together by a resin.

36. (New) A guide wire according to claim 35 wherein the resin is a vinyester resin.

37. (New) A guide wire according to claim 35 wherein the carbon fiber is helically-wound.

38. (New) A guidewire according to claim 1 wherein the coil wire is disposed around the entire length of the core wire.

39. (New) A guide wire according to claim 1 wherein the core wire consists essentially of polyetherether ketone and the coil wire consists essentially of polyetherimide.

40. (New) A guide wire according to claim 39 wherein the core wire is PEEK and the coil wire is polyetherimide.